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Therefore, this

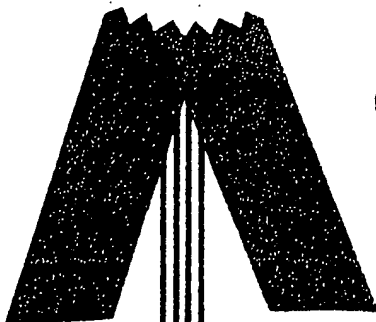
United States Patent

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Harry F. Manbeck, Jr.

Commissioner of Patents and Trademarks

William G. Thompson
Attest





US005105731A

United States Patent [19]

[11] Patent Number: 5,105,731

Kraus

[45] Date of Patent: Apr. 21, 1992

[54] BLOCKING OF RETURN AIR

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[30] Foreign Application Priority Data

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[51] Int. Cl.⁵ B60H 1/26

[52] U.S. Cl. 454/143; 454/259

[58] Field of Search 98/2, 2.18

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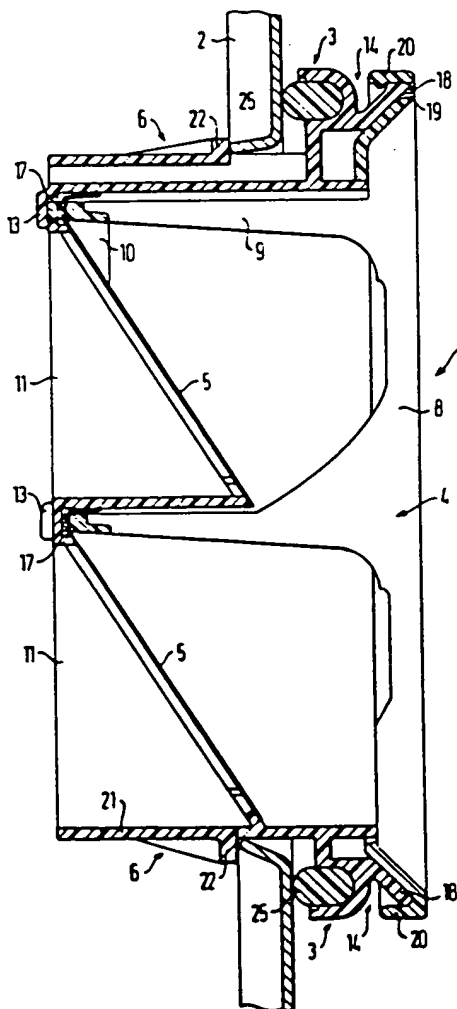
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 Minnich & McKee

[57] ABSTRACT

A check valve assembly for the ventilation duct to the passenger space of a motor vehicle comprises an outer housing (3), to which is fastened through at least one clamping connection an inner frame (4). Between the outer housing (3) and inner frame (4) there is clamped at least one check valve element (5) of flexible, soft sheet material. In the rest position, the valve element lies against an oblique grating (11). When air flows, the valve element opens and engages against stays (9). The inner frame (4) is set into the front of the outer housing (3) and the assembled unit comprised of outer housing (3) and closing valve (5) is fastened to a support (2) of the motor vehicle by at least one clip connection (6) arranged on the outer housing (3).

13 Claims, 3 Drawing Sheets



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